

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18  
Stylesheet Version v18.0

Title of  
Invention

Generating Isolated Bus Cycles for Isolated Execution

Application Number: 09/538954

Confirmation Number: 9452

First Named Applicant: Carl Ellison

Attorney Docket Number: 42P08107

Art Unit: 2137

Examiner: Tremayne Norris

Search string: ( 3699532 or 4207609 or 4319233 or 4403283  
or 4419724 or 5237616 or 5287363 or 5560013  
or 5604805 or 5633929 or 5668971 or 5684948  
or 5706469 or 5740178 or 5752046 or 5809546  
or 5825880 or 5919257 or 5935242 or 5935247  
or 6035374 or 6093213 or 6108644 or 6131166  
or 6199152 or 6327652 or 6397379 or 6529909  
or 6560627 or 6609199 or 6615278 or 6651171  
or 6684326 ).pn.



RECEIVED

JUL 02 2004

Technology Center 2100

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

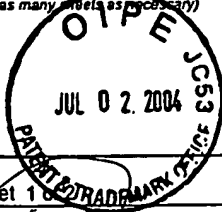
| init                                | Cite.No. | Patent No. | Date       | Patentee                     | Kind | Class | Subclass |
|-------------------------------------|----------|------------|------------|------------------------------|------|-------|----------|
| <input checked="" type="checkbox"/> | 1        | 3699532    | 1972-10-17 | Schaffer, Harry G., et al.   |      |       |          |
| <input checked="" type="checkbox"/> | 2        | 4207609    | 1980-06-10 | Luiz, Fernando A., et al.    |      |       |          |
| <input checked="" type="checkbox"/> | 3        | 4319233    | 1982-03-09 | Matsuoka, Michihiro , et al. |      |       |          |
| <input checked="" type="checkbox"/> | 4        | 4403283    | 1983-09-06 | Myntti, Jon N., et al.       |      |       |          |
| <input checked="" type="checkbox"/> | 5        | 4419724    | 1983-12-06 | Branigin, Michael H., et al. |      |       |          |
| <input checked="" type="checkbox"/> | 6        | 5237616    | 1993-08-17 | Abraham, Dennis G., et al.   |      |       |          |
| <input checked="" type="checkbox"/> | 7        | 5287363    | 1994-02-15 | Wolf, Paul I., et al.        |      |       |          |
| <input checked="" type="checkbox"/> | 8        | 5560013    | 1996-09-24 | Scalzi, Casper A., et al.    |      |       |          |
| <input checked="" type="checkbox"/> | 9        | 5604805    | 1997-02-18 | Brands, Stefanus A.          |      |       |          |
| <input checked="" type="checkbox"/> | 10       | 5633929    | 1997-05-27 | Kaliski, Jr., Burton S.      |      |       |          |
| <input checked="" type="checkbox"/> | 11       | 5668971    | 1997-11-16 | Neufeld, E. D.               |      |       |          |
| <input checked="" type="checkbox"/> | 12       | 5684948    | 1997-11-04 | Johnson, James S., et al.    |      |       |          |

|                                     |    |         |            |                              |
|-------------------------------------|----|---------|------------|------------------------------|
| <input checked="" type="checkbox"/> | 13 | 5706469 | 1998-01-06 | Kobayashi, Souichi           |
| <input type="checkbox"/>            | 14 | 5740178 | 1998-04-14 | Jacks, Steven A., et al.     |
| <input type="checkbox"/>            | 15 | 5752046 | 1998-05-12 | Oprescu, Florin , et al.     |
| <input type="checkbox"/>            | 16 | 5809546 | 1998-09-15 | Greenstein, Paul G., et al.  |
| <input type="checkbox"/>            | 17 | 5825880 | 1998-10-20 | Sudia, Frank W., et al.      |
| <input type="checkbox"/>            | 18 | 5919257 | 1999-07-06 | Trostle, Jonathan            |
| <input type="checkbox"/>            | 19 | 5935242 | 1999-08-10 | Madany, Peter W., et al.     |
| <input type="checkbox"/>            | 20 | 5935247 | 1999-08-10 | Pai, Hsin-Ying , et al.      |
| <input type="checkbox"/>            | 21 | 6035374 | 2000-03-07 | Panwar, Ramesh , et al.      |
| <input type="checkbox"/>            | 22 | 6093213 | 2000-07-25 | Favor, John G., et al.       |
| <input type="checkbox"/>            | 23 | 6108644 | 2000-08-22 | Goldschlag, David M., et al. |
| <input type="checkbox"/>            | 24 | 6131166 | 2000-10-10 | Wong-Isley, Becky            |
| <input type="checkbox"/>            | 25 | 6199152 | 2001-03-06 | Kelly, Edmund J., et al.     |
| <input type="checkbox"/>            | 26 | 6327652 | 2001-12-04 | England, Paul , et al.       |
| <input type="checkbox"/>            | 27 | 6397379 | 2002-05-28 | Yates, Jr., John S., et al.  |
| <input type="checkbox"/>            | 28 | 6529909 | 2003-03-04 | Bowman-Amuah, Michel K.      |
| <input type="checkbox"/>            | 29 | 6560627 | 2003-05-06 | McDonald, Michael F., et al. |
| <input type="checkbox"/>            | 30 | 6609199 | 2003-08-19 | DeTreville, John             |
| <input type="checkbox"/>            | 31 | 6615278 | 2003-09-02 | Curtis, Bryce A.             |
| <input type="checkbox"/>            | 32 | 6651171 | 2003-11-18 | England, Paul , et al.       |
| <input checked="" type="checkbox"/> | 33 | 6684326 | 2004-01-27 | Cromer, Daryl C., et al.     |

Signature

| Examiner Name | Date    |
|---------------|---------|
| David T. Long | 6/10/05 |

Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**  
 (Use as many sheets as necessary)



Sheet 1 of 1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number 09/538,954  
 Filing Date March 31, 2000  
 First Named Inventor Ellison, Carl  
 Group Art Unit 2137  
 Examiner Name Norris, Tremayne

**RECEIVED**

Attorney Docket No: 42P08107

JUL 08 2004

Technology Center 2100

### FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited Document | Class | Subclass | T <sup>1</sup> |
|--------------------|---------------------|------------------|-------------------------------------------------|-------|----------|----------------|
| DGT                | EP-EP0892521        | 01/20/1999       | Zamek, Steven                                   |       |          |                |
|                    | EP-EP1055989        | 11/29/2000       | Proudlar, Graeme J., et al.                     |       |          |                |
|                    | EP-EP1056014        | 11/29/2000       | Proudlar, Graeme J., et al.                     |       |          |                |
|                    | WO-WO0201794        | 01/03/2002       | Ellison, Carl                                   |       |          |                |
|                    | WO-WO02060121       | 08/01/2002       | Grawrock, David W.                              |       |          |                |
|                    | WO-WO03058412       | 07/17/2003       | Glew, Andrew, et al.                            |       |          |                |
|                    | WO-WO9812620        | 03/26/1998       | Nishiuchi, Taiki, et al.                        |       |          |                |
|                    | WO-WO9918511        | 04/15/1999       | Edrich, David R.                                |       |          |                |

### OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>1</sup> |
|--------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| DGT                |                      | COULOURIS, GEORGE, et al., "Distributed Systems, Concepts and Designs", 2nd Edition, (1994), 422-424                                                                                                                                                            |                |
|                    |                      | CRAWFORD, JOHN, "Architecture of the Intel 80386", Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers and Processors (ICCD '86), (October 6, 1986), 155-160                                                                 |                |
|                    |                      | FABRY, R.S., "Capability-Based Addressing", Fabry, R.S., "Capability-Based Addressing", Communications of the ACM, Vol. 17, No. 7, (July 1974), 403-412                                                                                                         |                |
|                    |                      | FRIEDER, GIDEON, "The Architecture And Operational Characteristics of the VMX Host Machine", The Architecture And Operational Characteristics of the VMX Host Machine, IEEE, (1982), 9-16                                                                       |                |
|                    |                      | INTEL CORPORATION, "IA-64 System Abstraction Layer Specification", Intel Product Specification, Order Number 245359-001, (01/2000), 1-112                                                                                                                       |                |
|                    |                      | INTEL CORPORATION, "Intel IA-64 Architecture Software Developer's Manual", Volume 2: IA-64 System Architecture, Order Number 245318-001, (01/2000), i, ii, 5.1-5.3, 11.1-11.8, 11.23-11.26                                                                      |                |
|                    |                      | MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", CRC Press Series on Discrete Mathematics and its Applications, Boca Raton, FL, XP002165287, ISBN 0849385237, (Oct. 1996), 403-405, 506-515, 570                                                 |                |
|                    |                      | NANBA, S., et al., "VM/4: ACOS-4 Virtual Machine Architecture", VM/4: ACOS-4 Virtual Machine Architecture, IEEE, (1985), 171-178                                                                                                                                |                |
|                    |                      | RSA SECURITY, "Hardware Authenticators", www.rsasecurity.com/node.asp?id=1158, 1-2                                                                                                                                                                              |                |
|                    |                      | RSA SECURITY, "RSA SecurID Authenticators", www.rsasecurity.com/products/securid/datasheets/SID_DS_0103.pdf, 1-2                                                                                                                                                |                |
| DGT                |                      | RSA SECURITY, "Software Authenticators", www.rsasecurity.com/node.asp?id=1313, 1-2                                                                                                                                                                              |                |

EXAMINER

David Tung

DATE CONSIDERED

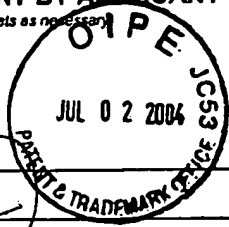
6/10/05

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 2101. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**  
 (Use as many sheets as necessary)



|                          |                  |
|--------------------------|------------------|
| <i>Complete if Known</i> |                  |
| Application Number       | 09/538,954       |
| Filing Date              | March 31, 2000   |
| First Named Inventor     | Ellison, Carl    |
| Group Art Unit           | 2137             |
| Examiner Name            | Norris, Tremayne |

**RECEIVED**

JUL 08 2004

Sheet 2 of 2  
 7/2

Attorney Docket No: 42P08107 Technology Center 2100

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item<br>(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),<br>publisher, city and/or country where published. | T <sup>2</sup> |
|-----------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| DS                    |                          | SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithm, and Source Code in C", Wiley, John & Sons, Inc., XP002939871; ISBN 0471117099,(Oct. 1995),47-52                                                                                                        |                |
|                       |                          | SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithm, and Source Code in C", Wiley, John & Sons, Inc., XP002138607; ISBN 0471117099,(Oct. 1995),56-65                                                                                                        |                |
|                       |                          | SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithms, and Source Code C", Wiley, John & Sons, Inc., XP0021111449; ISBN 0471117099,(Oct. 1995),169-187                                                                                                       |                |
|                       |                          | SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithms, and Source Code in C", 2nd Edition; Wiley, John & Sons, Inc., XP002251738; ISBN 0471128457,(Nov. 1995),28-33; 176-177; 216-217; 461-473; 518-522                                                      |                |

EXAMINER

*David T...*

DATE CONSIDERED

*6/10/05*

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

**(use as many sheets as necessary)**

Sheet

1

**of**

1

**Complete if Known**

|                        |                 |
|------------------------|-----------------|
| Application Number     | 09/538,954      |
| Filing Date            | March 31, 2000  |
| First Named Inventor   | Carl M. Ellison |
| Art Unit               | 2137            |
| Examiner Name          | T.M. Norris     |
| Attorney Docket Number | 42390P8107      |

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]Examiner  
Signature

| Date | Considered |
|------|------------|
|------|------------|

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

\*Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450